

MODULE CON3160: CABINETMAKING 3 (CABINETS/COUNTERTOPS)

Level: Advanced

Theme: Manufacturing Systems (Processes and Applications)

Prerequisite: CON1120 Project Management

Module Description: Students develop the knowledge and skills required to build and install a simple cabinet/countertop complete with an appropriate backsplash and edge treatment.

Module Parameters: Access to a materials and/or construction facility and to instruction from an individual with formal, specialized training in carpentry/cabinetry.

Supporting Module: CON1160 Manufactured Materials

Curriculum and Assessment Standards

Module Learner Expectations	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> identify and describe common types of cabinets/countertops and installation procedures identify and describe a suitable edge treatment for a given application 	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> the presentation of a written report that demonstrates knowledge of: <ul style="list-style-type: none"> types of countertops currently used in cabinet production ways in which edges may be concealed to produce an esthetically pleasing product common methods of countertop installation with particular emphasis on fastener concealment. <p><i>Assessment Tool</i> <i>Assessment Framework: Presentations/Reports, CTSPRE</i></p> <p><i>Standard</i> <i>Performance rating of 3 for each applicable task</i></p>	15
	<ul style="list-style-type: none"> development of a mock-up or sample display of at least two different edge treatments. <p><i>Assessment Tool</i> <i>Assessment Framework: Activity Assessment, CONACT</i></p> <p><i>Standard</i> <i>Samples should be securely bonded. Edges should be flush and free of sharp corners or chips and traces of cement</i> <i>Performance rating of 3 for each applicable task</i></p>	15

MODULE CON3160: CABINETMAKING 3 (CABINETS/COUNTERTOPS) (continued)

Concept	Specific Learner Expectations	Notes
<ul style="list-style-type: none"> • Application Techniques 	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • describe the processes used to: <ul style="list-style-type: none"> – apply ceramic tile – apply plastic laminates – install manufactured tops • identify and describe typical edge treatments used with a given cabinet/countertop material • describe standard procedures to: <ul style="list-style-type: none"> – cut and trim plastic laminates – cut ceramic tile. 	
<p>Health and Safety</p>	<ul style="list-style-type: none"> • list and demonstrate the safe use of power tools used to install cabinet/countertop materials • describe the health and safety issues that pertain to the use of specific solvents and adhesives. 	
<p>Planning and Management</p> <ul style="list-style-type: none"> • Material Selection • Work Scheduling 	<ul style="list-style-type: none"> • select the appropriate material and edge treatment for a given application • prepare a detailed material and procedural list • identify and note the location of fixtures. 	<p>The skills in this module can be assessed on a full-size project or on a mock-up.</p>
<p>Implementation</p> <ul style="list-style-type: none"> • Material Processing 	<ul style="list-style-type: none"> • use the appropriate tools, materials and processes to: <ul style="list-style-type: none"> – measure and mark stock – cut and fit materials – attach component – apply materials and edge treatment – locate and prepare openings for fixtures – clean and seal. 	<p>Stress the importance of using personal protective equipment, particularly related to tile cutting and use of power tools.</p>

MODULE CON3160: CABINETMAKING 3 (CABINETS/COUNTERTOPS) (continued)

Concept	Specific Learner Expectations	Notes
<p>Assessment</p> <ul style="list-style-type: none"> • Career Information • Career Preparation 	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • identify the employment and business opportunities related to the installation of cabinet/countertops • maintain a record of completed activities within a portfolio. 	